

## Labour Market and Economic Indicators Dashboard

# Finance, Insurance and Real Estate Industry



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Building and Educating  
Tomorrow's Workforce

Alberta



## Introduction

By March 2006, 34 of 53 occupational groups tracked by the Alberta government showed an unemployment rate of three per cent or less, indicating skill and labour shortages. This document presents a series of economic indicators to identify labour and skill shortages or surpluses in industry sectors.

Indicators such as the unemployment rate, vacancy rate, hiring difficulty rate and demand-supply ratio<sup>1</sup> are used to determine the presence of shortages or surpluses now and in the future. This tool should not be used to make decisions. Instead, the intent of this dashboard is to spark discussion and give a snapshot of where the occupational cluster is likely to be within the next 10-year period. Additional provincial labour market information, including regional information, can be obtained at [www.hre.gov.ab.ca/lmi](http://www.hre.gov.ab.ca/lmi) to assist with decision making.

## What is a shortage?

Shortages were determined by looking at the unemployment, vacancy, and hiring difficulty rates, as well as the demand-supply ratio for a number of occupational clusters within sectors. Occupations are sorted by industry sector as outlined in Appendix A.

This booklet uses a traffic light system to help define shortages, based on the following:

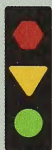
**Unemployment:** If the unemployment rate of an occupation is less than three per cent, there is a shortage.

**Vacant jobs:** If the vacancy rate of an occupation is more than two per cent, there is a shortage.

**Hiring difficulty:** If the hiring difficulty rate of an occupation is more than 25 per cent, there is a shortage.

**Demand and supply of workers:** A demand-supply ratio of greater than one indicates a supply shortage while a ratio of less than one indicates a supply surplus.

Occupational clusters are coded red, yellow or green based on the following:<sup>2</sup>



Red – All indicators show shortage OR the vacancy rate is over five per cent and the reported hiring difficulty over 40 per cent.

Yellow – One or more indicators show shortage.

Green – All indicators show a surplus.

<sup>1</sup> See Appendix B for more information about the unemployment rate, vacancy rate, hiring difficulty rate and/or demand-supply ratio.

<sup>2</sup> See Appendix C for more detailed information on the colour coding for each occupation.



## Finance, Insurance and Real Estate


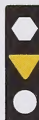




The finance, insurance, and real estate industry includes organizations that facilitate or engage in financial transactions and rent, lease or allow the use of assets by others.<sup>3</sup>

### Industry Challenges and Issues

The banking business will be driven by changes in demographics and changes in information and communications technology. Growth in investment counselling and estate planning is expected as a result of the aging baby boom population that uses these services.

The insurance industry will become more complex with an increased desire for security, increases to insurance rates and new coverage options such as terrorism exclusion clauses.













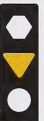








Alberta's real estate industry will likely stay active as lawyers and real estate agents process and complete real estate sales resulting from more owners selling their properties.








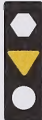
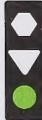




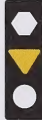


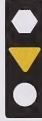



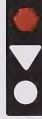
Occupational Cluster	2003 <sup>4</sup>	2005	2015
Administrative and Regulatory Occupations	 Concern	 Concern	 Shortage
Administrative Services Managers	 Concern	 Concern	 Surplus







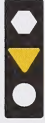






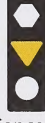

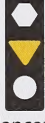
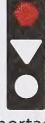
<sup>3</sup> This information is based on Government of Canada statistics and projections for the North American Industry Classification System (NAICS) major group 23.

<sup>4</sup> The rationale for using 2003, 2005, and 2015 as years to show trend is indicated in Appendix D.










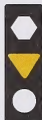











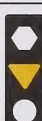

Occupational Cluster	2003	2005	2015
Administrative Support Clerks	 Surplus	 Concern	 Surplus
Auditors, Accountants and Investment Professionals	 Concern	 Concern	 Surplus
Cleaners	 Surplus	 Concern	 Surplus
Clerical Occupations, General Office Skills	 Surplus	 Concern	 Surplus
Clerical Supervisors	 Concern	 Concern	 Shortage
Computer and Information Systems Professionals	 Concern	 Concern	 Surplus
Facility Operation and Maintenance Managers	 Concern	 Concern	 Surplus

Occupational Cluster	2003	2005	2015
Finance and Insurance Administrative Occupations	 Concern	 Concern	 Shortage
Finance and Insurance Clerks	 Surplus	 Concern	 Shortage
Human Resources and Business Service Professionals	 Concern	 Concern	 Surplus
Insurance and Real Estate Sales Occupations and Buyers	 Concern	 Shortage	 Surplus
Legislators and Senior Management	 Concern	 Concern	 Surplus
Library, Correspondence and Related Information Clerks	 Surplus	 Concern	 Shortage
Mail and Message Distribution Occupations	 Concern	 Concern	 Shortage




Occupational Cluster	2003	2005	2015
Managers in Communication (Except Broadcasting)	 Concern	 Concern	 Surplus
Managers in Financial and Business Services	 Concern	 Concern	 Surplus
Managers in Food Service and Accommodation	 Concern	 Concern	 Shortage
Managers in Protective Service	 Concern	 Concern	 Surplus
Managers in Public Administration	 Concern	 Concern	 Shortage
Mathematicians, Statisticians and Actuaries	 Concern	N/A <sup>5</sup>	 Shortage

<sup>5</sup> Not available due to missing or incomplete data.



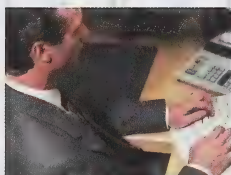
Occupational Cluster	2003	2005	2015
Office Equipment Operators	 Surplus	 Concern	 Shortage
Policy and Program Officers, Researchers and Consultants	 Concern	 Concern	 Surplus
Recording, Scheduling and Distributing Occupations	 Concern	 Concern	 Shortage
Sales and Service Supervisors	 Concern	 Concern	 Shortage
Sales, Marketing and Advertising Managers	 Concern	 Concern	 Surplus
Secretaries, Recorders and Transcriptionists	 Surplus	 Concern	 Surplus
Technical Occupations in Computer and Information Systems	 Surplus	 Concern	 Surplus



Occupational Cluster	2003	2005	2015
Writing, Translating and Public Relations Professionals	 Concern	 Concern	 Surplus



## Appendices



## Appendix A

Approximately 140 distinct occupations<sup>6</sup> are included in the 12 dashboards Alberta Human Resources and Employment prepared. Occupations selected are based on the National Occupational Classification (NOC) system. The NOC is a system that classifies and describes occupations in the Canadian labour market.

Occupations are grouped by industry based on the concentration (percentage of those working in the occupation) employed in a particular industry. Occupations listed in each industry group are based on the North American Industry Classification System. For instance, the industries where Automotive Service Technicians (NOC 732) are concentrated include: Retail Trade (76%), Transportation (12%), Public Administration (3%), Construction (1%), and other (8%). According to these results, the Automotive Service Technicians occupation would appear in the Retail Trade, Transportation, Public Administration, and Construction dashboards.

The 12 industry groups selected and described in the dashboards are aligned with the sectors highlighted in the sub-strategies from *Building and Educating Tomorrow's Workforce* and are based on the key sectors profiled in *Understanding Alberta's Labour Force: Looking to the Future*, as well as the industry groups used in *Alberta Careers 2004*. The selected industry groups include:

Industry Group	
1	Agriculture and Agri-Food
2	Construction
3	Forestry
4	Finance, Insurance and Real Estate
5	Health Care
6	Information and Communication Technology (ICT)
7	Manufacturing
8	Mining, Oil and Gas
9	Public Administration
10	Retail Trade
11	Tourism
12	Transportation

<sup>6</sup> Not all 140 occupations are listed in this particular dashboard.



## Appendix B

### Economic Indicators

**Unemployment Rate** – The unemployment rate identifies the proportion of people in the labour force<sup>7</sup> who do not have jobs but are actively looking for jobs. According to Statistics Canada, an unemployment rate of less than three per cent is an indicator of a shortage. Alberta's unemployment rate has been steadily declining in the past decade – from 8.8 per cent in 1994 to 4.6 per cent in 2004. Our latest monthly statistics reports an even lower rate for July 2006 at 3.6 per cent.

**Vacancy Rate** – The vacancy rate, taken from the *Alberta Wage and Salary Survey*, determines the percentage of unfilled jobs compared to all filled and unfilled jobs. The overall vacancy rate is calculated as below:

$$\frac{\text{Number of vacancies}}{\text{Number of employed} + \text{number of vacancies}} \times 100$$

**Hiring Difficulties Rate** – The hiring difficulty rate represents the proportion of employers who indicated hiring difficulties in the *Alberta Wage and Salary Survey*. It was determined by the percentage of 'Yes', 'No', and 'NA' responses to the survey question.

**Demand-Supply Ratio** – The demand-supply ratio compares labour market imbalances among occupations. It is taken from Alberta Human Resources and Employment's *Occupational Demand and Supply Outlook* model. This model projects that overall 400,000 new jobs will be created by 2015, but only 314,000 workers will be available for these jobs. This leaves a shortfall of 86,000 workers.

Additional provincial labour market information, including regional information can be obtained at [www.hre.gov.ab.ca/lmi](http://www.hre.gov.ab.ca/lmi).

<sup>7</sup> The labour force includes both those that are employed and unemployed.



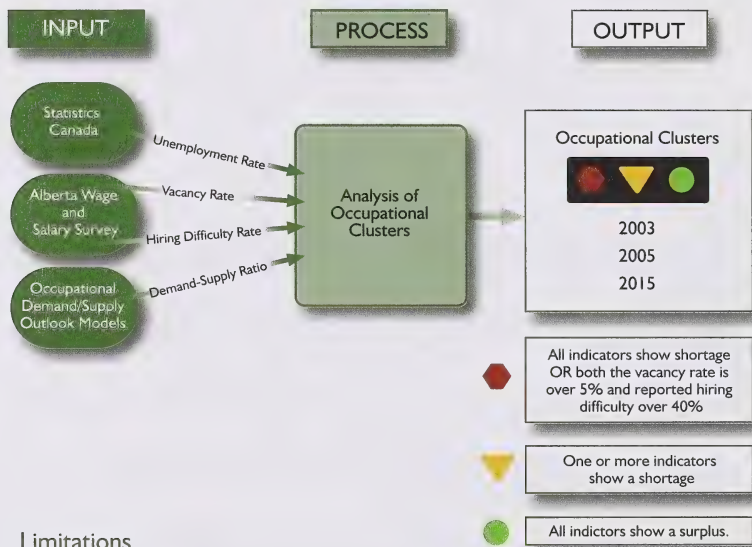
## Appendix C

The forecasted indicator for 2015 is expressed as either red or green based on its associated demand-supply ratio. This is due to the ratio resulting in either greater than or less than one.

If the ratio is greater than one, then demand is greater than supply. This is a supply shortage, which means the indicator would be red.

If the ratio is less than one, then supply is greater than demand. This is a supply surplus and the indicator would be green.

The following diagram illustrates how the four variables are utilized to come up with a dashboard indicator for specific occupational clusters.



### Limitations

- Data is shown at the provincial level and may not account for regional or local variations.
- Data does not account for seasonal fluctuations.
- The 2015 outlook is determined by only one indicator, which can show a surplus or shortage; caution (yellow) indicators are not included.
- Economic indicators are each given equal weighting. It has not been determined if any one of the economic indicators is a better measurement of current or future skill shortages.

## Appendix D

The years shown in the dashboards, 2003, 2005, and 2015, were chosen to demonstrate whether a certain trend is occurring in specific occupational clusters.

The 2003 and 2005 years were used because these were the two most recent years that the *Alberta Wage and Salary Survey* was conducted, which the vacancy rate and hiring difficulty rate are taken from. The next *Alberta Wage and Salary Survey* is scheduled for 2007.

Projection information of 2015 was taken from the 2005-2015 Occupational Demand and Supply Model.

## Notes



## Notes

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